



SEQUENCE LISTING

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GARBER, DAVID W.
DATTA, GEETA

<120> SYNTHETIC SINGLE DOMAIN POLYPEPTIDES MIMICKING
APOLIPOPROTEIN E AND METHODS OF USE

<130> 112739-123US

<140> 10/712,447
<141> 2003-11-13

<150> 60/425,821
<151> 2002-11-13

<160> 210

<170> PatentIn Ver. 3.2

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Ile Lys Ala Tyr Gly
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Tyr Gly

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Ala Phe

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Val Gly

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Tyr Gly

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Val Gly

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Tyr Gly

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Ala Phe

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Tyr Gly

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Tyr Gly

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Tyr Gly

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Tyr Arg

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Tyr Gly

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Tyr Gly

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Tyr Gly

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Tyr Gly

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Tyr Gly

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Ile Gly

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Ile Gly

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Ile Gly

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Ile Gly

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Ile Gly

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Tyr Gly

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Tyr Gly

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Tyr Lys

<210> 36
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Tyr Lys

<210> 37

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Tyr Gly

<210> 38

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Tyr Gly

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Tyr Gly

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Tyr Gly

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 Gly Ile Lys Lys Phe Leu Gly Ala Ile Trp Lys Phe Ile Lys Ser Phe
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Tyr Gly

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<400> 42
 Gly Ile Trp Lys Phe Leu Gly Ala Ile Lys Lys Phe Ile Lys Ser Phe
 1 5 10 15

Tyr Gly

<210> 43
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Gly Tyr Phe Ala Lys Ile Phe Lys Trp Ile Ser Gly Leu Phe Lys Lys
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Ile Gly

<210> 44

<211> 18

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<221> MOD_RES

<222> (15)

<223> (DiMe) Lys

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Gly Tyr Phe Ala Lys Ile Phe Lys Lys Ile Ser Gly Leu Phe Lys Trp
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Ile Gly

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 1 5 10 15

Ile Gly

<210> 46
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<400> 46

Lys Tyr Phe Ala Gly Ile Phe Lys Trp Ile Ser Lys Leu Phe Lys Gly
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Ile Gly

<210> 47

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Ile Gly

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Gly Tyr Phe Ala Lys Ile Phe Lys Trp Ile Gly Ser Leu Phe Lys Lys
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Ile Gly

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Ile Gly

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Ile Gly

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Gly Tyr Phe Ser Lys Ile Phe Lys Trp Ile Ala Gly Leu Phe Lys Lys
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Ile Gly

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Gly	Tyr	Phe	Ser	Lys	Ile	Phe	Lys	Lys	Ile	Ala	Gly	Leu	Phe	Lys	Trp
1				5					10					15	

Ile Gly

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<222> (14)

<223> (DiMe)Lys

<400> 53

Gly	Ile	Lys	Arg	Phe	Leu	Gly	Ser	Ile	Trp	Arg	Phe	Ile	Lys	Ala	Phe
1				5					10					15	

Tyr Gly

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<400> 54
 Gly Ile Trp Lys Phe Leu Gly Ser Ile Arg Arg Phe Ile Lys Ala Phe
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Tyr Gly

<210> 55
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<400> 55
 Gly Ile Gly Lys Phe Leu Arg Ser Ile Trp Gly Phe Ile Arg Ala Phe
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Tyr Lys

<210> 56
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<400> 56
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Tyr Lys

<210> 57
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<400> 57
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Tyr Gly

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Tyr Gly

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Tyr Gly

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Tyr Gly

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<400> 61
 Gly Ile Lys Arg Phe Leu Gly Ala Ile Trp Arg Phe Ile Lys Ser Phe
 1 5 10 15

Tyr Gly

<210> 62
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (4)
 <223> (DiMe)Lys

<220>
 <221> MOD_RES
 <222> (14)
 <223> (DiMe)Lys

<400> 62
 Gly Ile Trp Lys Phe Leu Gly Ala Ile Trp Arg Phe Ile Lys Ser Phe
 1 5 10 15

Tyr Gly

<210> 63
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (3)
 <223> (DiMe)Lys

<220>
 <221> MOD_RES
 <222> (10)
 <223> (DiMe)Lys

<400> 63
 Gly Ile Lys Arg Phe Leu Gly Trp Ile Lys Ala Phe Ile Ser Arg Phe
 1 5 10 15

Tyr Gly

<210> 64
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (5)
 <223> (DiMe)Lys

<220>
 <221> MOD_RES
 <222> (15)
 <223> (DiMe)Lys

<400> 64
 Gly Tyr Phe Ala Lys Ile Phe Arg Trp Ile Ser Gly Leu Phe Lys Arg
 1 5 10 15

Ile Gly

<210> 65
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (5)
 <223> (DiMe)Lys

<220>
 <221> MOD_RES
 <222> (15)
 <223> (DiMe)Lys

<400> 65
 Gly Tyr Phe Ala Lys Ile Phe Arg Arg Ile Ser Gly Leu Phe Lys Trp
 1 5 10 15

Ile Gly

<210> 66
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
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 <222> (5)
 <223> (DiMe)Lys

<220>
 <221> MOD_RES
 <222> (15)
 <223> (DiMe)Lys

<400> 66
 Arg Tyr Phe Ala Lys Ile Phe Gly Trp Ile Ser Arg Leu Phe Lys Gly
 1 5 10 15

Ile Gly

<210> 67
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (8)
 <223> (DiMe)Lys

<220>
 <221> MOD_RES
 <222> (15)
 <223> (DiMe)Lys

<400> 67
 Arg Tyr Phe Ala Gly Ile Phe Lys Trp Ile Ser Arg Leu Phe Lys Gly
 1 5 10 15

Ile Gly

<210> 68
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (5)
 <223> (DiMe)Lys

<220>
 <221> MOD_RES
 <222> (15)
 <223> (DiMe)Lys

<400> 68
 Gly Tyr Phe Arg Lys Ile Phe Ala Trp Ile Ser Gly Leu Phe Lys Arg
 1 5 10 15

Ile Gly

<210> 69
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (5)
 <223> (DiMe)Lys

<220>
 <221> MOD_RES
 <222> (15)
 <223> (DiMe)Lys

<400> 69
 Gly Tyr Phe Ala Lys Ile Phe Arg Trp Ile Gly Ser Leu Phe Lys Arg
 1 5 10 15

Ile Gly

<210> 70
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (5)
 <223> (DiMe)Lys

<220>
 <221> MOD_RES
 <222> (16)
 <223> (DiMe)Lys

<400> 70
 Gly Tyr Phe Ala Lys Ile Phe Arg Trp Ile Gly Ser Leu Phe Arg Lys
 1 5 10 15

Ile Gly

<210> 71
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (4)
 <223> (DiMe)Lys

<220>
 <221> MOD_RES
 <222> (9)
 <223> (DiMe)Lys

<400> 71
 Gly Tyr Phe Lys Arg Ile Phe Arg Lys Ile Gly Ser Leu Phe Ala Trp
 1 5 10 15

Ile Gly

<210> 72
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
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<220>
 <221> MOD_RES
 <222> (5)
 <223> (DiMe)Lys

<220>
 <221> MOD_RES
 <222> (15)
 <223> (DiMe)Lys

<400> 72
 Gly Tyr Phe Ser Lys Ile Phe Arg Trp Ile Ala Gly Leu Phe Lys Arg
 1 5 10 15

Ile Gly

<210> 73
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 73
 Gly Tyr Phe Ser Arg Ile Phe Arg Trp Ile Ala Gly Leu Phe Arg Trp
 1 5 10 15

Ile Gly

<210> 74
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 74

Gly	Ile	Arg	Lys	Phe	Leu	Gly	Ser	Ile	Trp	Arg	Phe	Ile	Lys	Ala	Phe
1				5					10					15	

Tyr Gly

<210> 75

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 75

Gly	Ile	Trp	Lys	Phe	Leu	Gly	Ser	Ile	Arg	Arg	Phe	Ile	Lys	Ala	Phe
1				5					10					15	

Tyr Gly

<210> 76

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 76

Gly	Ile	Gly	Arg	Phe	Leu	Lys	Ser	Ile	Trp	Gly	Phe	Ile	Arg	Ala	Phe
1				5					10					15	

Tyr Lys

<210> 77

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 77

Gly	Ile	Arg	Lys	Phe	Leu	Gly	Ser	Ile	Trp	Arg	Phe	Ile	Gly	Ala	Phe
1				5					10					15	

Tyr Lys

<210> 78
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 78
 Gly Ile Arg Lys Phe Leu Gly Ser Ile Trp Ala Phe Ile Arg Lys Phe
 1 5 10 15

Tyr Gly

<210> 79
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 79
 Gly Ile Arg Lys Phe Leu Ser Gly Ile Trp Arg Phe Ile Lys Ala Phe
 1 5 10 15

Tyr Gly

<210> 80
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 80
 Gly Ile Arg Lys Phe Leu Ser Gly Ile Trp Arg Phe Ile Lys Ala Phe
 1 5 10 15

Tyr Gly

<210> 81
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 81
 Gly Ile Trp Lys Phe Leu Ser Gly Ile Arg Arg Phe Ile Lys Ala Phe
 1 5 10 15

Tyr Gly

<210> 82
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 82
 Gly Ile Arg Lys Phe Leu Gly Ala Ile Trp Arg Phe Ile Lys Ser Phe
 1 5 10 15

Tyr Gly

<210> 83
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 83
 Gly Tyr Phe Ala Arg Ile Phe Lys Trp Ile Ser Gly Leu Phe Arg Lys
 1 5 10 15

Ile Gly

<210> 84
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 84
 Gly Tyr Phe Ala Arg Ile Phe Lys Arg Ile Ser Gly Leu Phe Lys Trp
 1 5 10 15

Ile Gly

<210> 85
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 85
 Arg Tyr Phe Ala Lys Ile Phe Gly Trp Ile Ser Lys Leu Phe Arg Gly
 1 5 10 15

Ile Gly

<210> 86
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 86
 Arg Tyr Phe Ala Gly Ile Phe Arg Trp Ile Ser Arg Leu Phe Arg Gly
 1 5 10 15

Ile Gly

<210> 87
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 87
 Gly Tyr Phe Lys Arg Ile Phe Ala Trp Ile Ser Gly Leu Phe Lys Arg
 1 5 10 15
 Ile Gly

<210> 88
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 88
 Gly Tyr Phe Ala Lys Ile Phe Arg Trp Ile Gly Ser Leu Phe Lys Arg
 1 5 10 15
 Ile Gly

<210> 89
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 89
 Gly Tyr Phe Ala Lys Ile Phe Arg Trp Ile Gly Ser Leu Phe Lys Arg
 1 5 10 15
 Ile Gly

<210> 90
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 90
 Gly Tyr Phe Lys Arg Ile Phe Arg Lys Ile Gly Ser Leu Phe Ala Trp
 1 5 10 15

Ile Gly

<210> 91
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 91
 Gly Ile Arg Lys Phe Leu Gly Ser Ile Trp Arg Phe Ile Arg Ala Phe
 1 5 10 15

Tyr Gly

<210> 92
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 92
 Gly Ile Trp Arg Phe Leu Gly Ser Ile Lys Arg Phe Ile Arg Ala Phe
 1 5 10 15

Tyr Gly

<210> 93
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 93

Gly Ile Gly Arg Phe Leu Lys Ser Ile Trp Gly Phe Ile Arg Ala Phe
 1 5 10 15

Tyr Arg

<210> 94
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 94

Gly Ile Arg Arg Phe Leu Gly Ser Ile Trp Lys Phe Ile Gly Ala Phe
 1 5 10 15

Tyr Arg

<210> 95
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 95

Gly Ile Arg Arg Phe Leu Gly Ser Ile Trp Ala Phe Ile Lys Arg Phe
 1 5 10 15

Tyr Gly

<210> 96
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 96
 Gly Ile Arg Arg Phe Leu Ser Gly Ile Trp Arg Phe Ile Lys Ala Phe
 1 5 10 15

Tyr Gly

<210> 97
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 97
 Gly Ile Arg Lys Phe Leu Ser Gly Ile Trp Ala Phe Ile Arg Ala Phe
 1 5 10 15

Tyr Gly

<210> 98
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 98
 Gly Ile Trp Arg Phe Leu Ser Gly Ile Lys Arg Phe Ile Arg Ala Phe
 1 5 10 15

Tyr Gly

<210> 99
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 99
 Gly Ile Arg Lys Phe Leu Gly Ala Ile Trp Arg Phe Ile Arg Ser Phe
 1 5 10 15

Tyr Gly

<210> 100
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 100
 Gly Ile Trp Arg Phe Leu Gly Ala Ile Trp Lys Phe Ile Arg Ser Phe
 1 5 10 15

Tyr Gly

<210> 101
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 101
 Gly Tyr Phe Ala Arg Ile Phe Arg Trp Ile Ser Gly Leu Phe Lys Arg
 1 5 10 15

Ile Gly

<210> 102
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 102

Gly Tyr Phe Ala Arg Ile Phe Arg Lys Ile Ser Gly Leu Phe Arg Trp
 1 5 10 15

Ile Gly

<210> 103
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 103

Arg Tyr Phe Ala Arg Ile Phe Gly Trp Ile Ser Lys Leu Phe Arg Gly
 1 5 10 15

Ile Gly

<210> 104
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 104

Lys Tyr Phe Ala Gly Ile Phe Arg Trp Ile Ser Arg Leu Phe Arg Gly
 1 5 10 15

Ile Gly

<210> 105
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 105
 Gly Tyr Phe Lys Arg Ile Phe Ala Trp Ile Ser Gly Leu Phe Arg Arg
 1 5 10 15

Ile Gly

<210> 106
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 106
 Gly Tyr Phe Ala Lys Ile Phe Arg Trp Ile Gly Ser Leu Phe Arg Arg
 1 5 10 15

Ile Gly

<210> 107
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 107
 Gly Tyr Phe Ala Lys Ile Phe Arg Trp Ile Gly Ser Leu Phe Arg Arg
 1 5 10 15

Ile Gly

<210> 108
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 108
 Gly Tyr Phe Arg Lys Ile Phe Arg Arg Ile Gly Ser Leu Phe Ala Trp
 1 5 10 15

Ile Gly

<210> 109
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 109
 Gly Tyr Phe Ser Lys Ile Phe Arg Trp Ile Ala Gly Leu Phe Arg Arg
 1 5 10 15

Ile Gly

<210> 110
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 110
 Gly Ile Arg Arg Ile Leu Gly Ser Phe Trp Arg Phe Phe Arg Ala Ile
 1 5 10 15

Tyr Gly

<210> 111
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 111
 Gly Phe Arg Arg Ile Leu Gly Ser Phe Trp Arg Ile Phe Arg Ala Ile
 1 5 10 15

Tyr Gly

<210> 112
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 112
 Gly Phe Arg Arg Ile Leu Gly Ser Ile Trp Arg Phe Ile Arg Ala Phe
 1 5 10 15

Tyr Gly

<210> 113
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 113
 Gly Ile Arg Arg Phe Leu Gly Ser Ile Trp Arg Ile Phe Arg Ala Phe
 1 5 10 15

Tyr Gly

<210> 114
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 114

Gly Ile Arg Arg Phe Leu Gly Ser Phe Trp Arg Ile Ile Arg Ala Phe
 1 5 10 15

Tyr Gly

<210> 115
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 115

Gly Leu Arg Arg Phe Ile Gly Ser Ile Trp Arg Phe Ile Arg Ala Phe
 1 5 10 15

Tyr Gly

<210> 116
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 116

Gly Leu Arg Arg Phe Ile Gly Ser Ile Trp Arg Phe Ile Arg Ala Phe
 1 5 10 15

Tyr Gly

<210> 117
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 117
 Gly Ile Arg Arg Phe Ile Gly Ser Ile Trp Arg Phe Leu Arg Ala Phe
 1 5 10 15

Tyr Gly

<210> 118
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 118
 Gly Ile Arg Arg Phe Leu Gly Ser Phe Trp Arg Ile Phe Arg Ala Ile
 1 5 10 15

Tyr Gly

<210> 119
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 119
 Gly Phe Arg Arg Phe Leu Gly Ser Phe Trp Arg Ile Ile Arg Ala Ile
 1 5 10 15

Tyr Gly

<210> 120
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 120

Gly Ile Arg Arg Phe Leu Gly Ser Ile Tyr Arg Phe Ile Arg Ala Phe
 1 5 10 15

Trp Gly

<210> 121
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 121

Gly Ile Arg Arg Phe Tyr Gly Ser Ile Trp Arg Phe Ile Arg Ala Phe
 1 5 10 15

Leu Gly

<210> 122
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 122

Gly Tyr Ile Ala Arg Phe Ile Arg Trp Phe Ser Gly Leu Ile Arg Arg
 1 5 10 15

Phe Gly

<210> 123
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 123
 Gly Tyr Gly Ala Arg Ile Phe Arg Trp Ile Ser Gly Leu Ile Arg Arg
 1 5 10 15

Phe Gly

<210> 124
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 124
 Gly Tyr Phe Ala Arg Phe Ile Arg Trp Ile Ser Gly Leu Phe Arg Arg
 1 5 10 15

Ile Gly

<210> 125
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 125
 Gly Tyr Phe Ala Arg Ile Phe Arg Trp Ile Ser Gly Ile Phe Arg Arg
 1 5 10 15

Leu Gly

<210> 126
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 126
 Gly Tyr Ile Ala Arg Ile Phe Arg Trp Phe Ser Gly Leu Phe Arg Arg
 1 5 10 15

Ile Gly

<210> 127
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 127
 Gly Leu Arg Arg Phe Ile Gly Ser Leu Trp Arg Phe Leu Arg Ala Phe
 1 5 10 15

Tyr Gly

<210> 128
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 128
 Gly Tyr Phe Ala Arg Leu Phe Arg Trp Leu Ser Gly Ile Phe Arg Arg
 1 5 10 15

Leu Gly

<210> 129
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 129

Gly Ile Arg Arg Phe Leu Gly Ser Leu Trp Arg Phe Leu Arg Ala Phe
1 5 10 15

Tyr Gly

<210> 130
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 130

Gly Tyr Phe Ala Arg Leu Phe Arg Trp Leu Ser Phe Leu Phe Arg Arg
1 5 10 15

Ile Gly

<210> 131
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 131

Gly Leu Arg Arg Phe Leu Gly Ser Ile Trp Arg Phe Leu Arg Ala Phe
1 5 10 15

Tyr Gly

<210> 132
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 132

Gly Tyr Phe Ala Arg Leu Phe Arg Trp Ile Ser Gly Leu Phe Arg Arg
 1 5 10 15

Leu Gly

<210> 133
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 133

Gly Ile Arg Arg Phe Tyr Gly Ser Ile Trp Arg Phe Ile Arg
 1 5 10

<210> 134
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 134

Arg Ile Phe Arg Trp Ile Ser Gly Tyr Phe Arg Arg Ile Gly
 1 5 10

<210> 135
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 135

Arg Arg Phe Tyr Gly Ser Ile Trp Arg Phe Ile Arg Ala Phe
1 5 10

<210> 136

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 136

Phe Ala Arg Ile Phe Arg Trp Ile Ser Gly Tyr Phe Arg Arg
1 5 10

<210> 137

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 137

Gly Leu Arg Arg Phe Tyr Gly Ser Leu Trp Arg Phe Leu Arg
1 5 10

<210> 138

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 138

Arg Leu Phe Arg Trp Leu Ser Gly Tyr Phe Arg Arg Leu Gly
1 5 10

<210> 139

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 139

Arg Arg Phe Tyr Gly Ser Leu Trp Arg Phe Leu Arg Ala Phe
1 5 10

<210> 140

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 140

Phe Ala Arg Leu Phe Arg Trp Leu Ser Gly Tyr Phe Arg Arg
1 5 10

<210> 141

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 141

Gly Ile Arg Arg Phe Tyr Gly Ser Ile Trp Arg Phe Leu Arg
1 5 10

<210> 142

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 142

Arg Leu Phe Arg Trp Ile Ser Gly Tyr Phe Arg Arg Ile Gly
1 5 10

<210> 143
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 143
 Arg Arg Phe Tyr Gly Ser Ile Trp Arg Phe Leu Arg Ala Phe
 1 5 10

<210> 144
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 144
 Phe Ala Arg Leu Phe Arg Trp Ile Ser Gly Tyr Phe Arg Arg
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